Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	367	one adj pot adj method	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/11 22:19
L2	6	l1 and (organometallic adj compound)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/11 22:24
L3	1	l1 and (hafnium adj amide)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/11 22:25

10/678,084

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http://www.cas.org/infopolicy.html

=> s one pot method 2055739 ONE 43121 POT

2989795 METHOD L1 364 ONE POT METHOD

(ONE (W) POT (W) METHOD)

=> s l1 and organometallic compound

43690 ORGANOMETALLIC

98422 COMPOUND 284 ORGANOMETALLIC COMPOUND

(ORGANOMETALLIC (W) COMPOUND)

L2 0 L1 AND ORGANOMETALLIC COMPOUND

=> s l1 and metal amide 1613505 METAL 121939 AMIDE

489 METAL AMIDE

(METAL (W) AMIDE)

0 L1 AND METAL AMIDE

=> s l1 and mettallocene

L3

0 METTALLOCENE

0 L1 AND METTALLOCENE

=> s l1 and metal alkoxide

1613505 METAL

19079 ALKOXIDE

3549 METAL ALKOXIDE

(METAL (W) ALKOXIDE)

L5 0 L1 AND METAL ALKOXIDE

=> s l1 and metal diketonate

1613505 METAL

3039 DIKETONATE

254 METAL DIKETONATE

(METAL (W) DIKETONATE)

L6 0 L1 AND METAL DIKETONATE

=> s l1 and metal imide

1613505 METAL

20988 IMIDE

34 METAL IMIDE

(METAL (W) IMIDE)

L9

=> s l1 and metal compound
1613505 METAL
98422 COMPOUND
769 METAL COMPOUND
(METAL(W) COMPOUND)
L8 0 L1 AND METAL COMPOUND

=> s l1 and metal 1613505 METAL

21 L1 AND METAL

=> d 1-21 bib abs

L9 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:1166765 CAPLUS

TI Spontaneous and Self-Assembled Line Formations on Silicon Substrates with Vanadium Pentoxide Sol-Gels

AU Calvert, Craig; Burke, Kelly A.; Suib, Steven L.

CS Department of Chemistry, University of Connecticut, Storrs, CT, 06269-3060, USA

SO Journal of Physical Chemistry B (2005), 109(47), 22685-22691 CODEN: JPCBFK; ISSN: 1520-6106

PB American Chemical Society

DT Journal

LA English

As imple one-pot method has been developed to deposit discreet nanometer line formations on silicon substrates without any surface pretreatment starting with vanadium pentoxide sol-gels. These vanadium suspensions were made by hydrolyzing amorphous V205 in water. The properties of the vanadium clusters were determined through X-ray diffraction, elemental analyses, pH calcns., and concentration calcns. Morphol. of the lines was examined with optical microscopy, atomic force microcoscopy, and SEM. IR spectroscopy was used to inspect the organic components. The vanadium sol-gel used formed discreet and regular lines with high reproducibility and on the same order of magnitude as other patterning techniques. Previous research with a low solubility, 8 g/L, metal oxide for line, ring, or helix formation has not been found in the literature; this work could lead to novel applications of metal oxides such as porous catalysts, battery materials, and

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:1146763 CAPLUS

TI Synthesis of Single-Crystalline CoP Nanowires by a One-Pot Metal -Organic Route

AU Li, Yang; Malik, M. Azad; O'Brien, Paul

resistive electronic materials.

CS The School of Chemistry and The School of Materials, The University of Manchester, Manchester, M13 9PL, UK

SO Journal of the American Chemical Society (2005), 127(46), 16020-16021 CODEN: JACSAT; ISSN: 0002-7863

PB American Chemical Society

DT Journal

LA English

AB A simple one-pot method has been used to

prepare uniform single-crystalline CoP nanowires with a high aspect ratio by the thermal-decomposition reaction of cobalt(II) acetylacetone with long-chain alkylphosphonic acid in the presence of hexadecylamine (HDA) and trioctylphosphine oxide (TOPO) at high temperature The crystal morphol. of the resulting nanowires can be influenced by the ratio of HDA and TOPO.

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2005:959424 CAPLUS

TI In situ coating metal oxide on SBA-15 in one-pot synthesis

AU Wang, Yi Meng; Wu, Zheng Ying; Wei, Yi Lun; Zhu, Jian Hua CS Department of Chemistry, Nanjing University, Nanjing, 210093, Peop. Rep. China

SO Microporous and Mesoporous Materials (2005), 84(1-3), 127-136 CODEN: MIMMFJ; ISSN: 1387-1811

Elsevier B.V.

DT Journal

PB

LA English

The in situ coating process of MgO or CuO on SBA-15 is anatomized in this AB article. Metal oxide-modified SBA-15 functional mesoporous materials can be directly synthesized through adding simple precursor salts into the synthetic system, recovering the composites via evaporation and subsequent calcination. The salt effect on the structure of SBA-15 and the dispersion of guest oxide were investigated. In this onepot method, the guest species incorporate into the SBA-15 structure during the evaporation and calcinations, and both cation and anion in the salts affect the mesostructure of composite. The effect of anion follows the lyotropic series: NO -3 < Cl - < CH 3 COO - . Cations undergo complexation with the EO groups of P123 upon the evaporation to produce a [M(EO)x]Xn complex. The competition between the surface silanol groups and PEO headgroups in P123 to the cations and the interactions among PEO headgroup, cation and anion determine the final dispersion level of oxides on the SBA-15.

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L9 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
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AN 2005:304670 CAPLUS

DN 142:347511

TI Method for large scale production of organometallic compounds

Meiere, Scott Houston; Peters, David Walter

PA USA

IN

SO U.S. Pat. Appl. Publ., 9 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

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	PAT	CENT 1	NO.			KIN	D :	DATE		ž	APPL	ICAT:	ION I	NO.		D	ATE		
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ΡI	US	2005	0755	10		A1		2005	0407	1	US 2	003-	6780	74		2	0031	006	
	WO	2005	0388	66		A2		2005	0428	1	WO 2	004-1	US32	339		2	0041	001	
		W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	ΒZ,	CA,	CH,	
			CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,	
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	ıs,	JΡ,	KΕ,	KG,	KΡ,	KR,	KZ,	LC,	
			LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NΑ,	NI,	
			NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	
			TJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UΖ,	VC,	VN,	ΥU,	ZA,	ZM,	ZW	
		RW:	BW,	GH,	GM,	KΕ,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	
			ΑZ,	BY,	KG,	ΚZ,	MD,	RU,	ТJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	
			EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	ΙT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,	
			SI,	SK,	TR,	BF,	ΒJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	ΝE,	
			SN,	TD,	TG														
דגממ	TTC	2002	670	074		7		2002	1006										

PRAI US 2003-678074 A 20031006

OS CASREACT 142:347511

AB This invention relates to a one pot method

for large scale production of an organometallic compound comprising (i) reacting a hydrocarbon or heteroatom-containing material with a base material in the presence of a solvent and under reaction conditions sufficient to produce a first reaction mixture comprising a hydrocarbon or heteroatom-containing compound, (ii) adding a metal source compound to said first reaction mixture, (iii) reacting said hydrocarbon or heteroatom-containing compound with said metal source compound under reaction conditions sufficient to produce a second reaction mixture comprising said organometallic compound, and (iv) separating said organometallic compound from said second reaction mixture The process can by used to produce transition metal compds. with amines, alcs., diketones, cyclopentadiene and imines. Thus, Hf(NEt4) was prepared on a 1 kg scale in 80-90% yield by first reacting Et2NH with BuLi followed by addition of HfCl4 and then isolation of the product by vacuum distillation

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ANSWER 5 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
L9
AN
    2004:946365 CAPLUS
DN
    142:94089
ΤI
    Efficient synthesis of N-acyl-\alpha-amino acids via polymer incarcerated
    palladium-catalyzed amidocarbonylation
ΑU
    Akiyama, Ryo; Sagae, Takahiro; Sugiura, Masaharu; Kobayashi, Shu
CS
    Graduate School of Pharmaceutical Sciences, The University of Tokyo,
    Tokyo, 113-0033, Japan
     Journal of Organometallic Chemistry (2004), 689(23), 3806-3809
SO
    CODEN: JORCAI; ISSN: 0022-328X
PB
    Elsevier B.V.
DT
    Journal
LA
    English
os
    CASREACT 142:94089
AB
    A novel polymer incarcerated Pd catalyst was synthesized from amide-containing
    polymer and this catalyst was shown to be effective in amidocarbonylation,
    which is a versatile one-pot method for the
    preparation of N-acyl-\alpha-amino acids. The reactions proceeded smoothly
     with a wide variety of substrates, and no leaching of the Pd metal
     to the reaction mixture was detected.
              THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 27
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
     ANSWER 6 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
L9
AN
     2003:1006840 CAPLUS
DN
     140:42306
TI
     A method for producing cyclopentadienyltriorganoplatinum organometallic
    compounds
    Meiere, Scott Houston; Hoover, Cynthia A.
IN
     Praxair Technology, Inc., USA
PΑ
     PCT Int. Appl., 39 pp.
SO
    CODEN: PIXXD2
DT
     Patent
LA
     English
FAN.CNT 1
                                         APPLICATION NO.
                      KIND DATE
     PATENT NO.
                                                                DATE
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                        ____
                                           -----
    WO 2003106011
                        A2
                               20031224
                                        WO 2003-US18568
                                                                  20030611
PΙ
     WO 2003106011
                        A3
                              20041209
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
             TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE,
             DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
    US 2004010158
                                          US 2003-459626
                         A1
                               20040115
                                                                  20030611
    US 6809212
                         B2
                               20041026
                        P
PRAI US 2002-387998P
                               20020612
     US 2002-388054P
                         P
                               20020612
     CASREACT 140:42306; MARPAT 140:42306
OS
AΒ
     This invention relates to liquid cyclopentadienyltrimethylplatinum compds.
     selected from (isopropylcyclopentadienyl)trimethylplatinum and
     (tert-butylcyclopentadienyl)trimethylplatinum. This invention also
     relates to a process for producing a film, coating or powder by decomposing a
     cyclopentadienyltrimethylplatinum compound precursor 10 selected from
     (isopropylcyclopentadienyl)trimethylplatinum and
     (tertbutylcyclopentadienyl)trimethylplatinum, thereby producing the film,
     coating or powder. This invention further relates to a one
     pot method for producing an organometallic compound
     comprising reacting a metal source compound, an alkylating agent
     and a cyclopentadienyl compound under reaction conditions sufficient to
    produce said organometallic compound Thus, methylation of K2PtCl6 with MeLi
     in Et20/THF followed by treatment with sodium methylcyclopentadienide gave
     65-75% (methylcyclopentadienyl)trimethylplatinum.
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- L9 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 2003:528232 CAPLUS
- DN 140:52091
- TI Use of transition **metal** ion as template in synthesis of metalloporphyrin complexes
- AU Li, Zhong-Fang; Wang, Su-Wen; Wang, Ji-Xiao; Wang, Ya-Quan; Wang, Yu-Xin
- CS School of chemical engineering and Technology, Tianjin University,
 - Tianjin, 300072, Peop. Rep. China
- SO Wuji Huaxue Xuebao (2003), 19(7), 691-698
 - CODEN: WHUXEO; ISSN: 1001-4861
- PB Wuji Huaxue Xuebao Bianjibu
- DT Journal
- LA Chinese
- OS CASREACT 140:52091
- AB Thirty-four metalloporphyrin complexes were synthesized by one pot method of mixed solvents (propionic acid, HOAc and nitrobenzene in ratios of (2-5):(1-4):1), using metal ion as template, from aromatic aldehydes and pyrrole. The complexes were characterized by elemental anal., UV-visible, IR, NMR. Their thermal decomposition was studied by TG-DTA; 4 H2O mols. are contained in each complex mol., and the decomposition of complexes occur in three steps between 353° and 605°. Their magnetisms were characterized by EPR.
- L9 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 2003:510103 CAPLUS
- DN 139:69047
- TI Process for preparation of aryl sulfones
- IN Murakami, Teiichi; Furusawa, Kiyotaka; Taguchi, Kazuhiro
- PA National Institute of Advanced Industrial Science and Technology, Japan
- SO Jpn. Kokai Tokkyo Koho, 8 pp.
- CODEN: JKXXAF
 DT Patent
- LA Japanese
- FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 2003183245	A2	20030703	JP 2001-385640	20011219
PRAI	JP 2001-385640		20011219		

AB This invention pertains to a one-pot method for producing aryl sulfones with general formula of RCH2SO2Ar [wherein R = (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl, or heterocyclyl; Ar = (un)substituted aryl]. For example, (E)-2-dodecen-1-ol was treated with NBS in THF in the presence of Ph3P, followed by the addition of PhSO2Na and Bu4NI to give (E)-2-dodecenyl Ph sulfone (84%). This invention provides a convenient one-pot method for the synthesis of aryl sulfones in high yields.

- L9 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 2002:775818 CAPLUS
- TI Metal-catalyzed multicomponent reactions: The design of new catalytic routes to heterocyclic and amino acid-based products
 - Arndtsen, Bruce A.
- CS Department of Chemistry, McGill University, Montreal, QC, H3A 2K6, Can.
- SO Abstracts of Papers, 224th ACS National Meeting, Boston, MA, United States, August 18-22, 2002 (2002), ORGN-646 Publisher: American Chemical Society, Washington, D. C. CODEN: 69CZPZ
- DT Conference; Meeting Abstract
- LA English

ΑU

AB This talk will focus on our development of new transition **metal** -catalyzed routes to access a range of biol. relevant structures, including peptides and α -amino acid derivs., nitrogen-based heterocycles, and α -substituted amides. We have recently observed that the palladium catalyzed coupling of Ar(H)C=NR, CO and R'COCl can provide facile access to amino acid based imidazoline heterocycles. Interestingly, the addition of base to this process inhibits the formation of imidazolines, and result instead in what is to our knowledge the first catalytic synthesis of 3-amido substituted β -lactams. The latter

represent the core functional structure of a range of antibiotics, and are in this generated directly from simple imine, carbon monoxide and acid chloride building blocks. The extension of this chemical to trapping with α -amino acids has provided a new palladium catalyzed method to construct peptides from imines and CO. Alternatively, the coupling of imines, acid chloride and alkynes provides a facile one-pot method to prepare pyrroles. Mechanistic studies suggest that this chemical proceeds via palladium chelated amides. As such, by altering this chemical to instead undergo cross-coupling with tin-reagents, a new catalytic method to construct α -substituted amides and amido ketones has been developed. The mechanistic details of these processes, and their potential utility in allowing the synthesis of complex mols. via the one-pot coupling of easily prepared components, will be discussed.

- ANSWER 10 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN L9 ΑN 2001:828245 CAPLUS DN136:134872 Group 4 Dimethylmetallocenes: Improved Synthesis and Reactivity Studies TIBalboni, Davide; Camurati, Isabella; Prini, Giansiro; Resconi, Luigi; ΑU Galli, Simona; Mercandelli, Pierluigi; Sironi, Angelo CS Centro Ricerche G. Natta, Basell Polyolefins, Ferrara, 44100, Italy SO Inorganic Chemistry (2001), 40(26), 6588-6597 CODEN: INOCAJ; ISSN: 0020-1669 PB American Chemical Society DT Journal LΑ English os CASREACT 136:134872 AB Group 4 dimethylmetallocenes are catalyst precursors for the methylmetallocenium/borate catalyst systems for olefin polymerization, and they are usually prepared by methylation (with MeMgCl or MeLi) of the parent metallocene dichlorides. A simpler preparation of a series of bisindenyldimethylmetallocenes, carried out by reacting the π -ligand with a 2-fold excess of MeLi, and then MtCl4 (Mt = Ti, Zr, Hf), is described. This simple, one-pot method produces the dimethylated complexes in higher overall yield, and saves on reaction time and solvents. Ind2MtMe2 (1, Mt = Ti; 2a, Mt = Zr; 3, Mt = Hf), (4,7-Me2Ind)2ZrMe2 (4), rac/meso-[C2H4(Ind)2]ZrMe2 (5), meso-[C2H4(4,7-Me2Ind)2]ZrMe2 (m-6a), and meso-[C2H4(4,7-Me2Ind)2]HfMe2 (m-7a) have been prepared in 40-80% isolated yields. 2A reacts with 1-4 equivalent of t-BuOH to give the mono-tert-butoxy derivative 2b, Ind2ZrMe(O-t-Bu), while reaction with 2 equivalent of C6F5OH cleanly affords Ind2Zr(OC6F5)2 (2c). Analogously, in the presence of 2 equivalent of t-BuOH, m-6a gives meso-[C2H4(4,7-Me2Ind)2]ZrMe(O-t-Bu) (m-6b) with replacement of the outward Me group only, as established by NMR anal.; meso-[C2H4(4,7-Me2Ind)2]Zr(OC6F5)2 (m-6c) is obtained by reaction with 2 equivalent of C6F5OH. The mol. structures of m-6a and m-6c are also described. THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 65 ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L9 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 2000:846539 CAPLUS
- DN 134:147973
- TI A novel inclusion complex between molybdenum(II) fumarate and poly(ethylene glycol): first supramolecule formation between a microporous complex and an organic polymer
- AU Takamizawa, Satoshi; Furihata, Masatoshi; Takeda, Sadamu; Yamaguchi, Kizashi; Mori, Wasuke
- CS Department of Chemistry, Faculty of Science, Kanagawa University, Kanagawa, 259-1293, Japan
- SO Polymers for Advanced Technologies (2000), 11(8-12), 840-844 CODEN: PADTE5; ISSN: 1042-7147
- PB John Wiley & Sons Ltd.
- DT Journal
- LA English
- AB A novel inclusion complex between molybdenum(II) fumarate and poly(ethylene glycol) was synthesized. The formation of the saturated inclusion complex, a supramol. obtained by the one-pot method, was confirmed by elemental anal. and gas-occlusion

measurement. This is a new method for synthesizing the hybrid inclusion complex between the transition-metal complex and the organic polymer bound by noncovalent interaction.

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 12 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
L9
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AN 1999:71514 CAPLUS

DN 130:222979

ΤI New one-pot method for the synthesis of alkynyl sulfonate esters using ultrasound

ΑU Tuncay, Atilla; Anaclerio, Beth M.; Zolodz, Melissa; Suslick, Kenneth S.

CS Chemistry Department, Indiana University Northwest, Gary, IN, 46408, USA

Tetrahedron Letters (1999), 40(4), 599-602

CODEN: TELEAY; ISSN: 0040-4039

PB Elsevier Science Ltd.

DT Journal

so

English LΑ

os CASREACT 130:222979

AB A new one-pot method for the preparation of alkynyl sulfonate esters from terminal alkynes is reported. metal-assisted, ultrasound-enhanced nucleophilic acetylenic displacement through alkynyl (phenyl) iodonium salts provides direct and rapid access to novel alkynyl sulfonates in good yields in a simple one-step procedure.

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 13 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN L9

ΑN 1998:612102 CAPLUS

DN 129:230715

Improved methods of making cross-bridged macropolycycles and their ΤI transition-metal complexes

IN Hiler, George Douglas, II; Perkins, Christopher Mark PA

The Procter and Gamble Company, USA

SO PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DT Patent

English LA

FAN.	CNT 2					
	PATENT NO.	KIND DATE	APPLICATION NO.	DATE		
ΡI			WO 1998-IB299			
			BG, BR, BY, CA, CH, CN,			
			GM, GW, HU, ID, IL, IS,			
			LT, LU, LV, MD, MG, MK,			
			SE, SG, SI, SK, SL, TJ,			
			AM, AZ, BY, KG, KZ, MD,			
			UG, ZW, AT, BE, CH, DE,			
			NL, PT, SE, BF, BJ, CF,	CG, CI, CM,		
		MR, NE, SN, TD,				
			CA 1998-2282477	19980306		
	CA 2282477					
	CA 2448261	AA 19980911	CA 1998-2448261	19980306		
	AU 9862261	A1 19980922	AU 1998-62261	19980306		
	EP 971927	A1 20000119	EP 1998-904331	19980306		
	EP 971927					
			GB, GR, IT, LI, LU, NL,			
	BR 9808657	A 20000523	BR 1998-8657	19980306		
	JP 2001513816	72 20010904	JP 1998-538311 CN 1998-804833	19980306		
	CN 1134442	B 20040114	CN 1998-804833	19980306		
	CN 1495185	A 20040512	CN 2003-2003133238	19980306		
	AT 297928					
	US 6225464					
	US 2002007057			20010411		
		B2 20020903		2222522		
			US 2002-142085			
DDAT		A 20030806		20020904		
PKAI	US 1997-39920P	P 19970307				

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WO 1998-IB299
                         W
                               19980306
    US 1999-380675
                         A1
                               19990907
    US 2001-832579
                         A2
                               20010411
os
     CASREACT 129:230715
AΒ
     Improved synthesis of a macropolycycle, more particularly, of a
     cross-bridged tetraazamacrocycle, and the preparation of Mn-containing or other
     transition metal-containing complexes of cross-bridged
     macropolycycles are presented. The method for preparing a cross-bridged
     macropolycycle, preferably a cross-bridged tetraazamacrocycle, comprises a
     series of steps of derivatizing a cyclam or a particular acyclic
     tetraamine in substantially one solvent, preferably an alc. system.
     alc. system is preferably 60-100% of a C1-C4 alc. or mixture thereof.
     series of steps in the one-pot method
    includes quaternizing an intermediate with <15-fold of quaternizing agent,
     e.g., MeI, Me tosylate, or Me2SO4. The diquaternized intermediate is
     reduced with <15-fold reducing agent, preferably a non-catalytic reducing
     agent, e.g., borohydride. The Mn complex of a cross-bridged
    macropolycycle is prepared with use of MnCl2. Transition metal
    complexes of cross-bridged macropolycycles are prepared via (a) forming a
    bisaminal from an acyclic amine, (b) forming a diquaternized derivative of the
    bisaminal, (c) reducing the diquaternized derivative, (d) separating reducing agent
    and solvent from the product of step c in one or more operations, (e)
    removing residual hydride from the product of (d), (f) isolating a
     cross-bridged tetraazamacrocycle product, (g) reacting the product from f
    with a transition metal, thereby forming a transition-
    metal complex useful as a catalyst in detergent compns.
    methods disclosed avoid the following com. limitations: use of
     environmentally unfriendly solvents, e.g., MeCN; incorporation of
     high-dilution steps which increase solvent consumption; switching solvent
     systems in different stages; and waste from use of large excess of
     materials such as alkyl halides and/or reducing agents.
             THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 1
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
L9
    ANSWER 14 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
AN
     1997:251101 CAPLUS
DN
     126:238816
    High metathesis activity ruthenium and osmium metal carbene
ΤI
     complexes and their manufacture
IN
     Grubbs, Robert H.; Schwab, Peter; Nguyen, Sonbinh T.
PA
    California Institute of Technology, USA
SO
     PCT Int. Appl., 40 pp.
     CODEN: PIXXD2
DT
    Patent
    English
LA
FAN.CNT 1
    PATENT NO.
                       KIND DATE
                                         APPLICATION NO.
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                              19970220 WO 1996-US12654
ΡI
    WO 9706185
                        A1
                                                                19960801
        W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK,
            EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR,
            LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU,
            SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY,
            KG, KZ, MD, RU, TJ, TM
        RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
            IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA
    US 5831108
                               19981103
                                         US 1996-693789
                         Α
                                                                  19960731
    AU 9666883
                               19970305
                                           AU 1996-66883
                         A1
                                                                  19960801
    EP 842200
                         A1
                               19980520
                                          EP 1996-926867
                                                                  19960801
    EP 842200
                         B1
                               20040303
            AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, FI
    CN 1198752
                         Α
                               19981111
                                           CN 1996-197372
                                                                  19960801
    JP 11510807
                         T2
                               19990921
                                           JP 1997-508561
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    JP 3675485
                         B2
                               20050727
                                         EP 2001-108044
    EP 1130025
                         A1
                               20010905
                                                                  19960801
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

CA 1998-2282477

IE, FI

A3

19980306

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EP 1375506
                           A1
                                 20040102
                                              EP 2003-18947
                                                                       19960801
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, FI
     AT 260938
                           Е
                                 20040315
                                              AT 1996-926867
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     US 6111121
                           Α
                                 20000829
                                              US 1998-7498
                                                                       19980115
     US 6211391
                           B1
                                 20010403
                                              US 1999-399963
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     US 2001039360
                           A1
                                 20011108
                                              US 2000-746146
                                                                       20001221
     US 6515084
                                 20030204
                           B2
     US 2003181609
                           A1
                                 20030925
                                              US 2002-325998
                                                                       20021219
     US 6806325
                           B2
                                 20041019
     JP 2004269539
                           A2
                                              JP 2004-137844
                                 20040930
                                                                       20040506
     US 2005113590
                           A1
                                 20050526
                                              US 2004-968361
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PRAI US 1995-1862P
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                                 19950803
     US 1995-3973P
                           P
                                 19950919
     US 1996-693789
                           Α
                                 19960731
     EP 1996-926867
                           A3
                                 19960801
     JP 1997-508561
                           A3
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     WO 1996-US12654
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                                 19960801
     US 1998-7498
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                                 19980115
     US 1999-399963
                           A3
                                 19990920
     US 2000-746146
                           A3
                                 20001221
     US 2002-325998
                           A3
                                 20021219
     MARPAT 126:238816
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os

AB

Ruthenium and osmium carbene compds. that are stable in the presence of a variety of functional groups can be used to catalyze olefin metathesis reactions on unstrained cyclic and acyclic olefins. The carbene compds. are of formula XX1LL1M:CRR1, where M = Os or Ru; R1 = H; R = H, (un) substituted alkyl, and (un) substituted aryl; X and X1 = anionic ligand; and L and L1 = neutral electron donor. The ruthenium and osmium carbene compds. may be synthesized using diazo compds., by neutral electron donor ligand exchange, by cross metathesis, using acetylene, using cumulated olefins, and in a one-pot

method using diazo compds. and neutral electron donors. carbene compds. may be used to catalyze olefin metathesis reactions including, but not limited to ROMP, RCM, depolymn. of unsatd. polymers, synthesis of telechelic polymers, and olefin synthesis. Stirring a solution of RuCl2(PPh3)3 in CH2Cl2 at -78° and treating with a solution of phenyldiazomethane in CH2Cl2 at -50° gave a green microcryst. solid of Ru(:CHPh)Cl2(PPh3)2. The solid was used to polymerize norbornene with 95-99% yield and polydispersity 1.04-1.10.

- L9 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN '
- AN 1996:331477 CAPLUS
- DN 125:86836
- TI Chiral tripodal ligands bearing a phosphite donor group: synthesis and coordination chemistry
- ΑU Scherer, Johannes; Huttner, Gottfried; Buechner, Michael
- CS Anorganisch-Chemisches Institut, Universitaet Heidelberg, Heidelberg, D-69120, Germany
- so Chemische Berichte (1996), 129(6), 697-713
 - CODEN: CHBEAM; ISSN: 0009-2940
- PΒ VCH

GI

- DT Journal
- LA German
- OS CASREACT 125:86836

Ι

PF6

The mechanism of the reaction of epichlorohydrine with Li phosphides is ΑB analyzed. A neighboring-group mechanism was the essential driving force in this reaction. Monophosphinyl alcs. such as HOCH(CH2PPh2)CH2Cl and epoxides Ph2PCH2-cyclo(CHCH2O) are intermediates. The mechanism leads to a rapid one-pot method for the synthesis of racemic and enantiomeric pure bis(phosphinyl) alcs. HOCH(CH2PR2)(CH2PR12). These react easily with R22PCl [R2 = Cl, Ph or R22 = O(CH2)2O, 2,2'-biphenyldiyldioxy-] to yield the mixed donor group tripodal ligands R22POCH(CH2PR2)(CH2PR12) containing both phosphite, phosphinite, or phosphorodichloridite and phosphine donor groups. These compds. were characterized by 1H-, 31P-, and 13C-NMR spectroscopy, mass spectra, microanal., and x-ray anal. The coordination capabilities of these novel ligands are demonstrated by the synthesis and characterization of the (cyclooctadiene) rhodium complex I exhibiting the typical hetero-bicyclooctane tripod metal cage of this type of tripod complexes.

L9 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1996:228488 CAPLUS

124:260867

TI Method for producing diaryliodonium fluoroalkylsulfonate salts

IN Vogel, Dennis; Vogel, Kim M.

PA Minnesota Mining and Manufacturing Co., USA

Ι

SO Eur. Pat. Appl., 8 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

DN

TAM.CHI I				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 693468	A2	19960124	EP 1995-401727	19950720
EP 693468	A3	19960327		
EP 693468	B1	19990609		
R: DE, FR,	GB, IT			
US 5488147	Α	19960130	US 1994-278139	19940721
JP 08053442	A2	19960227	JP 1995-177435	19950713
US 5710320	A	19980120	US 1996-586586	19960116
PRAI US 1994-278139	A	19940721		
OS CASREACT 124:26	0867; MARP	AT 124:26086	7	
GI				

$$R^{11}-CF_2-SO_3$$

AB A method for making a diaryliodonium fluoroalkylsulfonate salt comprises the steps of (a) forming a mixture of (1) an aromatic compound optionally substituted with ≥1 groups selected from electron-neutral groups, electron-donating groups, and combination of thereof, wherein the aromatic compound has at least one pendant-H and is unreactive with a fluoroalkylsulfonic acid described bellow in b, (2) an hydride selected from aliphatic anhydrides, alicyclic anhydrides, and mixts. thereof, wherein the anhydride is optionally substitute with ≥1 groups unreactive with the fluoroalkylsulfonic acid(s) described bellow in b, and is derived from an acid having a pKa ≥4.2, (3) an alkali metal salt of iodic acid, (4) optionally a solvent which is unreactive with substances listed in 1-4, (b) adding the mixture, with agitation, the

fluoroalkylsulfonic acid R11CF2SO3H (R11 = alkyl, chlorofluoroalkyl, chloroalkyl, fluoroalkyl), which is optionally dissolved in a solvent unreactive with the fluoroalkylsulfonic acid, such that reaction occurs but at a rate and a temperature selected to prevent an uncontrolled exothermic reaction, and (c) allowing the reaction to continue, with agitation, at a temperature selected to prevent an uncontrolled exothermic reaction. The present invention provides a convenient, simple, safe and efficient one-pot method for the synthesis of a number of diaryliodonium triflate salts (I and II; m = 0,1; L = 0, optionally alkylated NH, CH2, or CH2CH2; R1 - R10 = electron-neutral or electron-donating group; wherein adjacent R1-R4 and R7-R10 groups may optionally form a ring; R11 = halo, alkyl, chlorofluoroalkyl, chloroalkyl, fluoroalkyl) which does not involve sulfuric acid and which eliminates the need for any counter-ion exchange processes. These iodinium salts are important components of many imaging systems and are useful for in-situ photochem. production of strong protic acids or free radical species which are subsequently used to initiate (de)polymns. or to react with an acid sensitive functionality. Thus, to a cooled (0°) mixture of 5.0 g 1,1-bis(4-tert-butylphenyl)methane (preparation given) in 8 mL acetic anhydride and 3.8 g potassium iodate was added 5.3 g triflic acid at such a rate that the reaction temperature did not exceed 0°, and the resulting mixture was at 0° and allowed to warm to room temperature overnight to give, after workup, 10% 3,7-di-tert-butyl-10H-dibenzo[b,e]iodinium trifluoromethanesulfonate.

- L9 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 1996:186685 CAPLUS
- DN 124:330632
- TI Study of complexation of mono N-alkylcyclen and mono N-alkylcyclam with hexacarbonyl metal M(CO)6 (M = Cr, Mo). Specific N1,N7-dissymmetric dialkylation of cyclen
- AU Patinec, Veronique; Gardinier, Isabelle; Yaouanc, Jean-Jacques; Clement, Jean-Claude; Handel, Henri; des Abbayes, Herve
- CS Laboratoire de Chimie, Electrochimie Moleculaires et Chimie Analytique, URA CNRS No. 322, UFR Sciences et Techniques, Universite de Bretagne Occidentale, 6 Avenue Le Gorgeu, BP 809, Brest, 29275, Fr.
- SO Inorganica Chimica Acta (1996), 244(1), 105-8 CODEN: ICHAA3; ISSN: 0020-1693
- PB Elsevier
- DT Journal
- LA English
- AB Complexation of mono N-alkylcyclen (1) and mono N-alkylcyclam (2) with M(CO)6 (M = Cr, Mo) yields only one LM(CO)3 complex, in which the tertiary amine is not coordinated to the metal. An attempted explanation for the N1,N7-dialkylation of cyclen, based on an equilibrium between two fac-LM(CO)3 (L = mono N-alkylcyclen) complexes which are different in the nature of the coordinated N, is reported. Specific dissym. dialkylation of cyclen is also described by a 'one-pot' method and by a 'multi-step' method.
- L9 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 1995:890788 CAPLUS
- DN 124:8921
- TI New Lariat Ether-Type Macrocycles with Cyclophosphazene Subunits
- AU Brandt, Krystyna; Porwolik, Iwona; Kupka, Teobald; Olejnik, Anna; Shaw, Robert A.; Davies, David B.
- CS Institute of Polymer Chemistry, Polish Academy of Sciences, Zabrze, 41-800, Pol.
- SO Journal of Organic Chemistry (1995), 60(23), 7433-8 CODEN: JOCEAH; ISSN: 0022-3263
- PB American Chemical Society
- DT Journal
- LA English
- OS CASREACT 124:8921

GΙ

- New side-armed ligands of lariat ether type I and II (n = 1-2; R = Ph, 2-naphthyl) have been synthesized by the resp. phenolysis and naphtholysis reactions of the parent isomeric ansa and spiro macrocyclo-substituted cyclophosphazenes of general formula N3P3Cl4[O(CH2CH2O)n] (n = 4, 5), separated by column chromatog., and characterized by mass spectrometry and 1H and 31P NMR spectroscopies. The synthesized side-armed ligands I and II, as well as their resp. functional chlorine-containing precursors, represent crown ethers with cyclophosphazene subunits and may thus be considered as diphosphaza[16]crown-6 or PNP16C6 [I; n = 1; R = Ph, 2-naphthyl], diphosphaza[19]crown-7 or PNP19C7 [I; n = 2; R = same], phospha[14]crown-5 or P14C5 [II; n = 1; R = same], and phospha[17]crown-6 or P17C6 [II; n =2; R = same]. The one-pot method of synthesis developed for (aryloxy)-crowns I and II , with the phenolysis (or naphtholysis) performed in situ immediately after completing the formation of the resp. chlorine-containing macrocycles, made it possible to obtain high yields of the corresponding 16- and 19-membered ansa-PNP-cyclosubstituted side-armed diphosphaza-crowns PNP16C6 and PNP19C7 and to isolate the stable 14- and 17-membered spiro-P derivs. P14C5 and P17C6 inaccessible by other synthetic routes. The diphosphaza-crowns thus obtained with β-naphthoxy substituents offer promising prospects as new ligands of the P-pivot lariat ether type, capable of complexing both alkali and transition metal cations and of potential catalytic activity in phase and electron-transfer processes.
- L9 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 1995:728915 CAPLUS
- DN 123:340349
- TI Synthesis and crystal structure of μ 4-alkyne cluster complex $(\mu$ 4- η 2-C2Ph2) Co4 (CO) 8 $(\mu$ -CO) 2
- AU Song, Li-Cheng; Shen, Jin-Yu; Hu, Qing-Mei; Huang, Xiao-Ying
- CS State Key Lab. Struct. Chem., Fuzhou, 350002, Peop. Rep. China
- SO Jiegou Huaxue (1995), 14(4), 281-5
- CODEN: JHUADF; ISSN: 0254-5861
- PB "Jiegou Huaxue" Bianji Weiyuanhui
- DT Journal
- LA English
- The cluster complex $(\mu 4-\eta 2-C2Ph2)Co4(CO)8(\mu-CO)2$ was synthesized by a "one-pot" method starting from Co2(CO)8 and PhC.tplbond.CPh in toluene and characterized by single-crystal structure anal. It crystallizes in the monoclinic space group P21/c with a = 9.149(3), b = 11.732(2), c = 23.551(6) Å, β = 92.62(2)°, V = 2525(1) Å3, Z = 4, Dc = 1.83 g/cm3, Mr = 694.07, μ = 26.33 cm-1, F(000) = 1368. The final R = 0.039, Rw = 0.047 for 2812 observed independent reflections (I \geq 3 σ (I)). In the mol., four cobalt atoms form a butterfly-shaped metal skeleton and the ligand C2Ph2 is coordinated to cobalt through two σ bonds and a delocalized four-center π -bonding system.
- L9 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 1989:106906 CAPLUS
- DN 110:106906
- TI A novel synthetic route for preparation of ammonium, alkali metal

and monoalkylammonium hexafluorosilicates

- AU Mohamed, K. Syed; Padma, D. K.
- CS Dep. Inorg. Phys. Chem., Indian Inst. Sci., Bangalore, 560 012, India
- SO Indian Journal of Chemistry, Section A: Inorganic, Physical, Theoretical & Analytical (1988), 27A(8), 712-13

CODEN: IJCADU; ISSN: 0376-4710

- DT Journal
- LA English
- AB A one-pot method was developed for the synthesis of ammonium, alkali metal and monoalkylammonium hexafluorosilicates. MX (X = Br or Cl) react with pyridinium hexafluorosilicate at room temperature to form M2SiF6 in high yields (.apprx.90%). The products obtained were characterized by elemental analyses, IR, 1H NMR spectra, and x-ray powder diffraction data.
- L9 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 1986:533716 CAPLUS
- DN 105:133716
- TI Metal-catalyzed additions of organic polyhalides to olefins. 4. Convenient approaches to heterocycles via copper-catalyzed additions of organic polyhalides to activated olefins
- AU Martin, Pierre; Steiner, Eginhard; Streith, Jacques; Winkler, Tammo; Bellus, Daniel
 - Cent. Funct. Res., CIBA-GEIGY A.-G., Basel, CH-4002, Switz.
- SO Tetrahedron (1985), 41(19), 4057-78
- CODEN: TETRAB; ISSN: 0040-4020
- DT Journal

CS

GI

AΒ

- LA English
- OS CASREACT 105:133716
- - An efficient one-pot method for the synthesis of 2,3-dichloro-5-substituted pyridines I [R = Cl, Me, CF3, Et, Pr, Bu, CHMe2, Me(CH2)4, CH2CH2Cl, CH2CHCl2, CH2CCl3] starting from the 1:1 adducts of the Cu-catalyzed addition of RCCl2CHO to H2C:CHCN is presented. Similarly, the CuCl-catalyzed reaction of Me itaconate with RCCl3 gives 2-pyrones II (R = Cl, CF3, CO2Me) via dehalogenation and subsequent thermal ring closure of the primary 1:1-adducts. The new electrophilic 2-pyrone II (R = CF3) undergoes [4+2]-cycloaddn. reactions with inverse electron demand with olefins and acetylenes, allowing regioselective transfer of a group from CCl3CF3 into more complex organic mols. The 1:1-adduct of CCl3COCl with Me acrylate gave novel N-substituted derivs. III (R1 = H, CHMe2, Ph, substituted Ph, NHCO2Et) of pyroglutamic acid as well as of proline.
- => s single pot method 1217600 SINGLE 43121 POT
 - 2989795 METHOD
- L10 8 SINGLE POT METHOD
 (SINGLE(W) POT(W) METHOD)
- => **d** 1-8 bib abs
- L10 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN AN 2004:996846 CAPLUS

- TI Efficient and Convenient Method for the Synthesis of Poly Functionalised 4H-Pyrans
- AU Lingaiah, B.; Reddy, G. Venkat; Yakaiah, T.; Narsaiah, B.; Reddy, S. N.; Yadla, R.; Rao, P. Shanthan
- CS Fluoroorganics Division, Indian Institute of Chemical Technology, Hyderabad, India
- SO Synthetic Communications (2004), 34(23), 4431-4437 CODEN: SYNCAV; ISSN: 0039-7911
- PB Taylor & Francis, Inc.
- DT Journal
- LA English
- AB An efficient single-pot method for the synthesis of polyfunctionalized 4H-pyrans using alkaline metal fluoride as a catalyst is described.
- RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L10 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 2003:120106 CAPLUS
- DN 139:235236
- TI Comparison of rotor direct pelletization (fluid bed) and extrusion/spheronization method for pellet production
- AU Pisek, Robert; Sirca, Judita; Svanjak, Gabrijela; Srcic, Stane
- CS Research and Development Division, Krka, d.d., Novo mesto, Slovenia
- SO Drugs Made in Germany (2002), 45(4), 91-97 CODEN: DRMGAS; ISSN: 0012-6683
- PB Editio Cantor Verlag
- DT Journal
- LA English
- AB Comparison of extrusion/spheronization (single screw extruder and spheronizer) as the most popular method for the production of matrix pellets and rotor direct pelletization (smooth disk) as an alternative method was made. A complex method that involves many steps and different type of equipment was compared with a single pot method. A simple formulation of ketoprofen, microcryst. cellulose (MCC) and lactose was used. The results show similarity in physico-technol. characteristics of produced pellets, only friability of pellets produced in rotor is significantly higher.
- RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L10 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 2002:427427 CAPLUS
- DN 138:5862
- TI Evaluation of corrosion inhibition of amphoteric imidazoline derivatives in simulated oil well double pipe
- AU Liu, Xing; Dong, Hai; Ma, Junyang
- CS Zhengzhou No.3 Chemical Factory, Zhengzhou, 450004, Peop. Rep. China
- SO Henan Huagong (2002), (3), 19-20 CODEN: HEHUF3; ISSN: 1003-3467
- PB Henansheng Shiyou Huaxue Gongye Keji Qingbao Zhongxinzhan
- DT Journal
- LA Chinese
- The two-step synthesis of amphoteric surfactant imidazoline derivs. with oleoyl chloride, ethylenediamine and chloroacetic acid by a single pot method was described. The reaction conditions were mild. The imidazoline derivs. were used as corrosion inhibitors for oil-well double-pipe without purification and the effect was evaluated. The rates of corrosion inhibition were 99.43% and 98.85% under static and dynamic states, resp.
- L10 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 2002:208374 CAPLUS
- DN 137:6148
- TI A facile route for the synthesis of thienopyrimidines
- AU Raghu Prasad, M.; Raghuram Rao, A.; Shanthan Rao, P.; Subramanian Rajan, K.
- CS University College of Pharmaceutical Sciences, Med. Chem. Div., Kakatiya University, Warangai, India

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SO
     Journal of Chemical Research, Synopses (2002), (1), 5-6, 0149-0153
     CODEN: JRPSDC; ISSN: 0308-2342
PB
     Science Reviews
DT
     Journal
LΑ
     English
os
     CASREACT 137:6148
     Thieno[2,3-d]pyrimidines were synthesized by a novel route via
AB
     thieno[2,3-d]oxazinones which were in turn prepared by a facile
     single pot method.
              THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE.CNT 24
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
L10 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
     2002:60564 CAPLUS
AN
DN
     137:190559
TI
     Comparison of rotor direct pelletization (fluid bed) and
     extrusion/spheronization method for pellet production
ΑU
     Pisek, Robert; Sirca, Judita; Svanjak, Gabrijela; Srcic, Stane
CS
     Research and Development Division, KRKA, d.d., Novo Mesto, Slovenia
so
     Pharmazeutische Industrie (2001), 63(11), 1202-1209
     CODEN: PHINAN; ISSN: 0031-711X
PB
     Editio Cantor Verlag
DT
     Journal
LΑ
     English
AB
    Comparison of extrusion/spheronization (a single screw extruder and
     spheronizer) as the most popular method for the production of matrix pellets
     and rotor direct pelletization (smooth disk) as an alternative method was
     made. A complex method that involves many steps and different type of
     equipment was compared with a single pot
    method. A simple formulation of ketoprofen, microcryst. cellulose
     (MCC) and lactose was used. The results show similarity in
     physicotechnol. characteristics of produced pellets, only friability of
    pellets produced in rotor is significantly higher.
RE.CNT 14
              THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
             ALL CITATIONS AVAILABLE IN THE RE FORMAT
L10
    ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AN
     2000:444911 CAPLUS
DN
     133:366306
     Influence of rotational speed and surface of rotating disc on pellets
TΙ
    produced by direct rotor pelletization
ΑŲ
     Pisek, Robert; Planinsek, Odon; Tus, Matjaz; Srcic, Stane
CS
     Faculty of Pharmacy, University of Ljubljana, Ljubljana, Slovenia
SO
     Pharmazeutische Industrie (2000), 62(4), 312-319
     CODEN: PHINAN; ISSN: 0031-711X
PΒ
    Editio Cantor Verlag
     Journal
DT
LA
    English
AΒ
    The aim of this research work was to investigate the influence of disk
     surface and its speed on the direct pelletization with rotor technol.
    Rotor technol. is "single pot" method of
    pellet production based on fluid bed technol. Two series of expts. have been
     carried out on GPCG 1 (Glatt Powder Coater Granulator) fluid bed apparatus In
     the first series of the expts. mixture of 350 q of pentoxifylline and 150 q
    microcryst. cellulose were used for pellets production In the second series
    of expts., the same amount of ketoprofen was used instead of pentoxifylline.
     In both series suspension of Eudragit NE 30 D was used as liquid binder but
    in each series at different concentration Within each series of expts. the
    process variables were kept constant within limitations of the process,
    except rotational speed of the disk during agglomeration and
    spheronization step. Addnl., two different rotating disk were used; one
    with smooth and the other with textured surface. The results show that
    both surface and rotational speed of the disk have influence on shape,
    surface and size of pellets while there is less effect on true d.,
    humidity content and yield of the experiment Keeping rotational speed of the
    smooth disk constant during agglomeration of powder particles and increasing
    rotational speed during spheronization of agglomerates results in more
    spherical pellets with larger diams. and smoother surfaces. The influence
    of rotating disk with textured surface is opposite to the previously
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mentioned influence of smooth disk. Increasing rotational speed during spheronization step at the constant speed during agglomeration step results in smaller and less spherical pellets with rougher surface.

- RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L10 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 1998:348345 CAPLUS
- DN 129:95452
- TI Synthesis, antifungal and antibacterial activities of some new 2-benzylideneamino-5-arylimino-3-oxo-1,2,4-thiadiazolidines
- AU Choubey, A. K.; Tripathi, A. K.; Singh, R.
- CS Department of Applied Chemistry, Institute of Technology, Banaras Hindu University, Varanasi, 221 005, India
- SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1998), 37B(2), 145-150 CODEN: IJSBDB; ISSN: 0376-4699
- PB National Institute of Science Communication, CSIR
- DT Journal
- LA English
- AB 3-Oxo-1,2,4-thiadiazolidines have been shown to be exceptionally promising antifungal and antibacterial moieties. Synthesis of this new series of compds. was achieved by a single pot method,
 - i.e. by the oxidehydrogenation of 1-aryl-5-benzylideneamino-2,4-thiobiurets with N-chlorosuccinimide in ethanol medium in 60-65% yields, resp. Oxidative debenzylation and cyclization of the related 1-aryl-5-benzylideneamino-2-S-benzyl-2,4-isothiobiurets was accomplished leading to the formation of the above oxothiadiazolidines in moderate yields. Thus the present series of compds. may be studied in future in vivo plant cell screening.
- RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L10 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
- AN 1998:270870 CAPLUS
- DN 129:3886
- TI Practical route to high activity enzyme preparations for synthesis in organic media
- AU Partridge, Johann; Halling, Peter J.; Moore, Barry D.
- CS Dep. Pure and Applied Chem., Univ. Strathclyde, Glasgow, G1 1XL, UK
- SO Chemical Communications (Cambridge) (1998), (7), 841-842 CODEN: CHCOFS; ISSN: 1359-7345
- PB Royal Society of Chemistry
- DT Journal
- LA English
- AB A single pot method to rapidly prepare immobilized subtilisin Carlsberg and α -chymotrypsin gives 1000-fold greater catalytic activities in polar organic solvents than freeze-dried powders.
- RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT